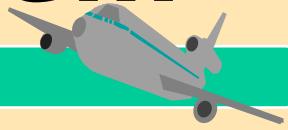


Defense Travel System



Overview





Outline

e



- **Background of the Defense Travel System**
- **Vision of the Defense Travel System**
- **Benefits of DTS**
- **System of Firsts**
- **Defense Travel System Structure**
 - **Government Functions**
 - **Commercial Functions**
- **Training**
- **Implementation Schedule**
- **Q/A?**



Background



- ❖ **National Performance Review - Sep '93**
Report called for overhaul of entire DoD travel system.
- **DoD Travel Reengineering Task Force - Jan '95**
DoD travel system is fragmented, inefficient, expensive to administer, and occasionally impedes mission accomplishment .



Background (con't)



DoD Travel Reengineering Task Force Recommendations:

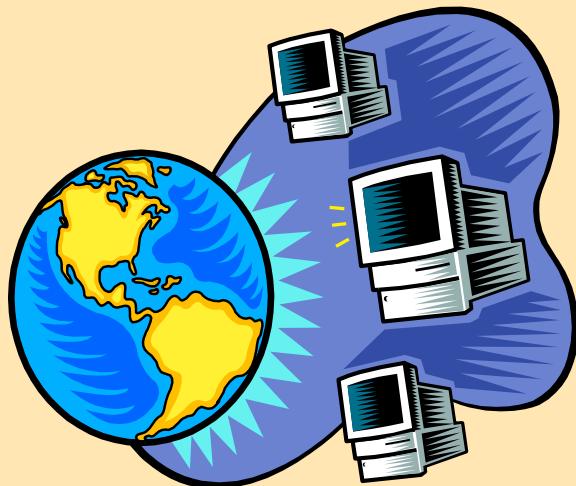
- ◆ **Consolidate Travel Services under one single procurement entity**
- **Simplify traveler entitlements and publish in English**
- **Decentralize travel budgets**
- **Make supervisors responsible for managing travel**
- **Use full-service civilian commercial travel contractors to make all arrangements**
- **Use government charge cards**
- **Speed travel voucher settlement**
- **Use electronic funds transfer to speed payment of claims for all DoD organizations.**



DTS Vision



**A seamless, paperless,
temporary duty travel system
that meets the needs of
travelers, commanders, and
process owners.**



**It must reduce costs, support
mission requirements, and
provide superior customer**



Benefits of DTA



- ♦ **Reduced paperwork**
- **Faster payments to travelers**
- **Unified, integrated system for authorization, reservations, payments**
- **Common DoD system**
- **Eventually...**
 - **Cost savings**
 - **Personnel savings**



System of Firsts

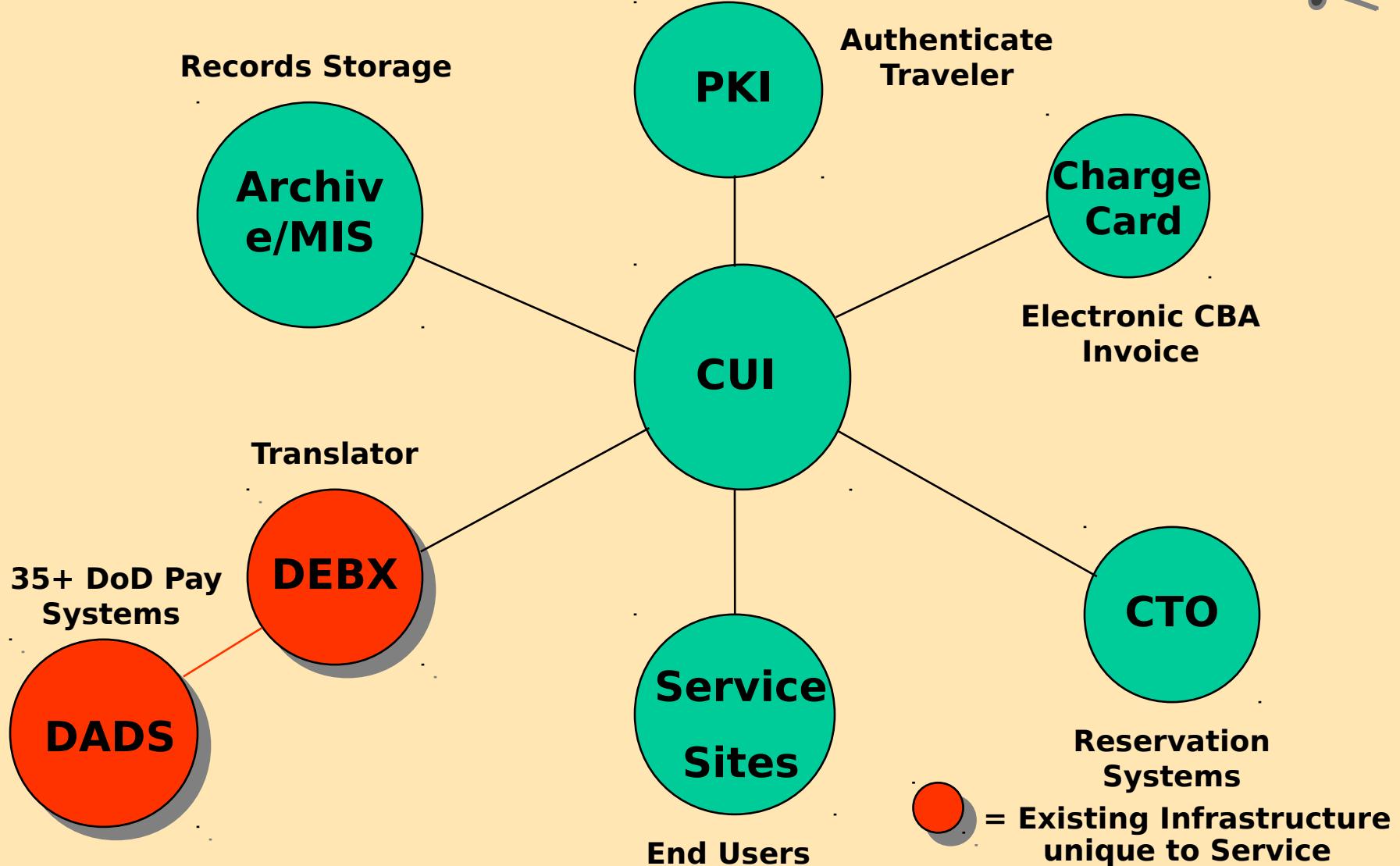


- ♦ **Lots of Development - policies, procedures & software**

- **Automates reengineered travel policies / procedures**
- **Electronic Commerce with 35+ DoD financial systems**
- **DoD Public Key Infrastructure**
 - **For DTS initially**
 - **Now used for all DoD Applications**
- **Single Electronic Records Management of all DoD travel data**
- **Interface with industry reservations systems**



Defense Travel System





The DoD Travel Process



3 Phases:

- ♦ **Authorization**--Replace paper travel orders
- **Reservation**--Desktop access to Travel Agent and Commercial Reservation System
- **Vouchering**--EDI to DOD financial systems

DTS Seamlessly Automates the Process



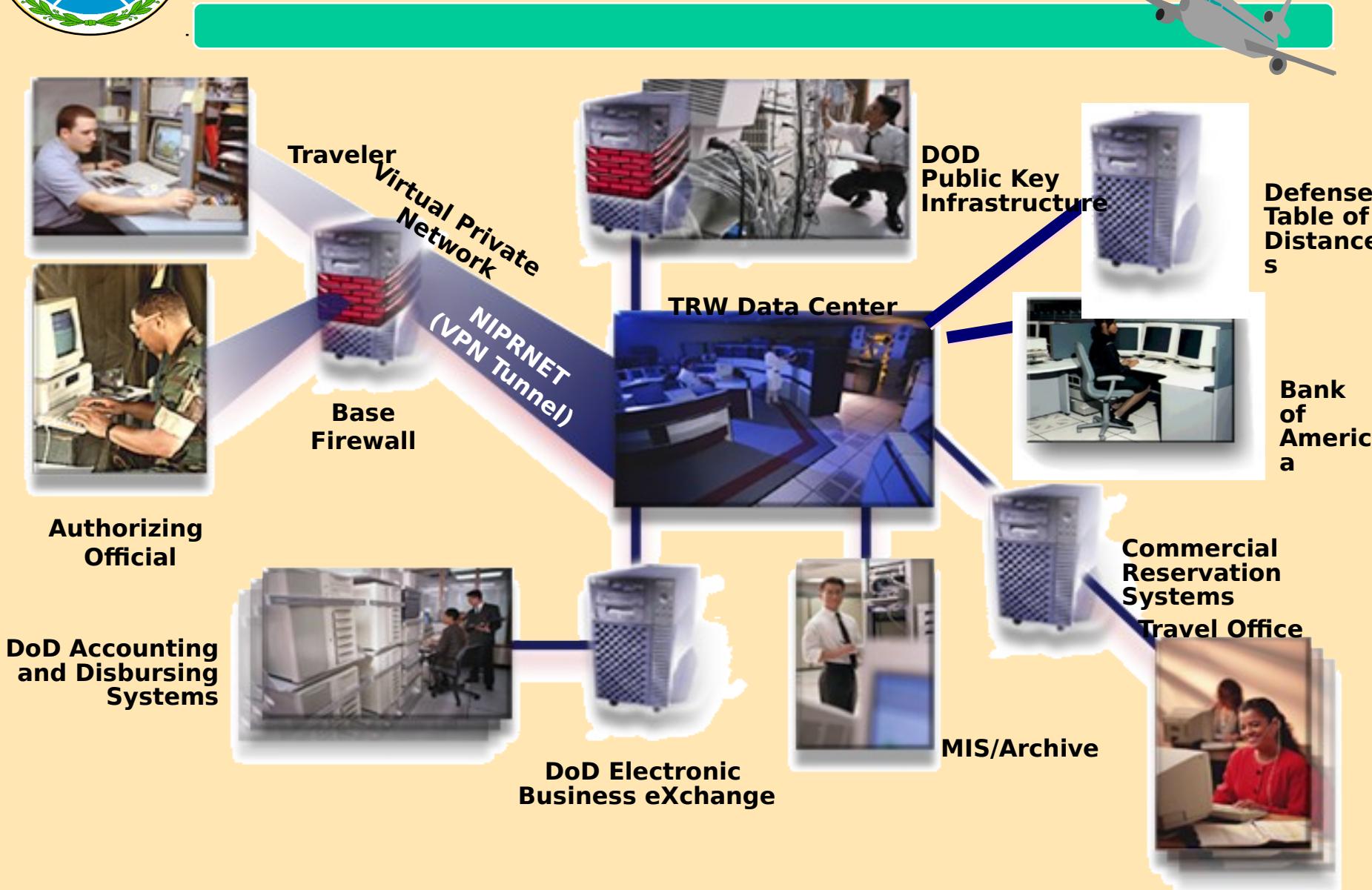
What Makes DTS Interesting



- ❖ **Hardware, software owned by TRW**
- **Government buying:**
 - Deployment by the user
 - Training by the class
 - Transactions by the trip
- **First major system to use DoD Public Key Infrastructure (PKI) for security**



Global DTS





Estimated Net Savings Full Capability (Three years from IOC)



Accounting & Finance Processing
\$76.3M

Records Management
\$15.4M

Travel Service Provider **\$38.9M**

Total Savings
\$130.6M

Net System Cost

Program Management **\$5.2M**
Transaction Fees **\$25.8M**

Total Costs **\$31M**

Total Net Savings
\$99.6M



DTS Government Components



- ♦ **Traveler**
- **Authorizing Official (AO)**
- **Certifying Official (CO)**
- **Digital Signature/PKI Structure**
- **Archive “warehouse” (Defense Manpower Data Center)**
- **Defense Accounting and Disbursing Systems (DADS) (35+)**
- **Defense Travel Administration (DTA)**



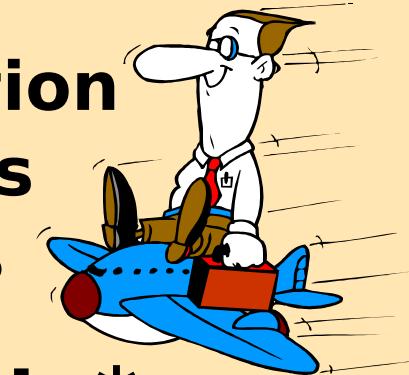


The Travelers



◆ **Using Common User Interface:**

- ✓ **Request travel authorization**
- ✓ **Make travel arrangements**
- ✓ **Submit post-travel claims**



□ **Retain required receipts***

****(Authorizing official may be required to review prior to approving claim for processing. Traveler must keep required receipts for 4 years.)***



The Authorizing Officials



- ◆ Direct/authorize travel
- Obligate travel funds
- Approve trip arrangements

For example:

- ✓ Mode of transportation
- ✓ Lodging selection
- ✓ Rental cars
- ✓ Trips home
- ✓ Phone calls
- ✓ Adjusted per diem rates





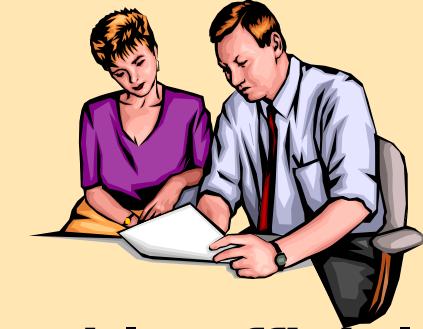
Defense Travel Administration



Key Functional Areas

● Finance

- Budgets and balances
- Link budgets with lines of accounting
- Link budgets with AOs
- Appointed in writing as an accountable official



● Personnel

- Traveler and AO identification (organizational information)
- Relationship between AOs and travelers





Defense Travel Administration



- **Transportation Officer (TO)**
 - Familiar with transportation policies
 - Group/deployment travel
- **Communications/Information Technology**
 - Knowledge of automated systems
 - Public key infrastructure
 - Capability to download data and generate/review reports





Common User Interface (CUI)



“The heart of the DTS.”

- **Travel arrangements**
- **“Should cost”**
- **Budget management**
- **Policy checks**
- **Exceptions to policy**
- **Voucher completion**
- **Overdue vouchers**
- **Maintain travel data**
- **Split disbursements**



- **Digital signature**
- **Interface to DADS**
- **MIS Interface (DMDC)**



DoD Public Key Infrastructure



- ❑ **Digital signature using public/private key (PKI) cryptography meets United States Code (USC) and Government Accounting Office (GAO) legal requirements for signature on all claims**

- ❑ **Digital signature provides confidence that:**
 - **The person sending the transaction is actually the originator**
 - **Document has not been modified**



PKI Key Pairs



Unique Key Pairs Generated At Same Time

**Private
Key**



**Public
Key**



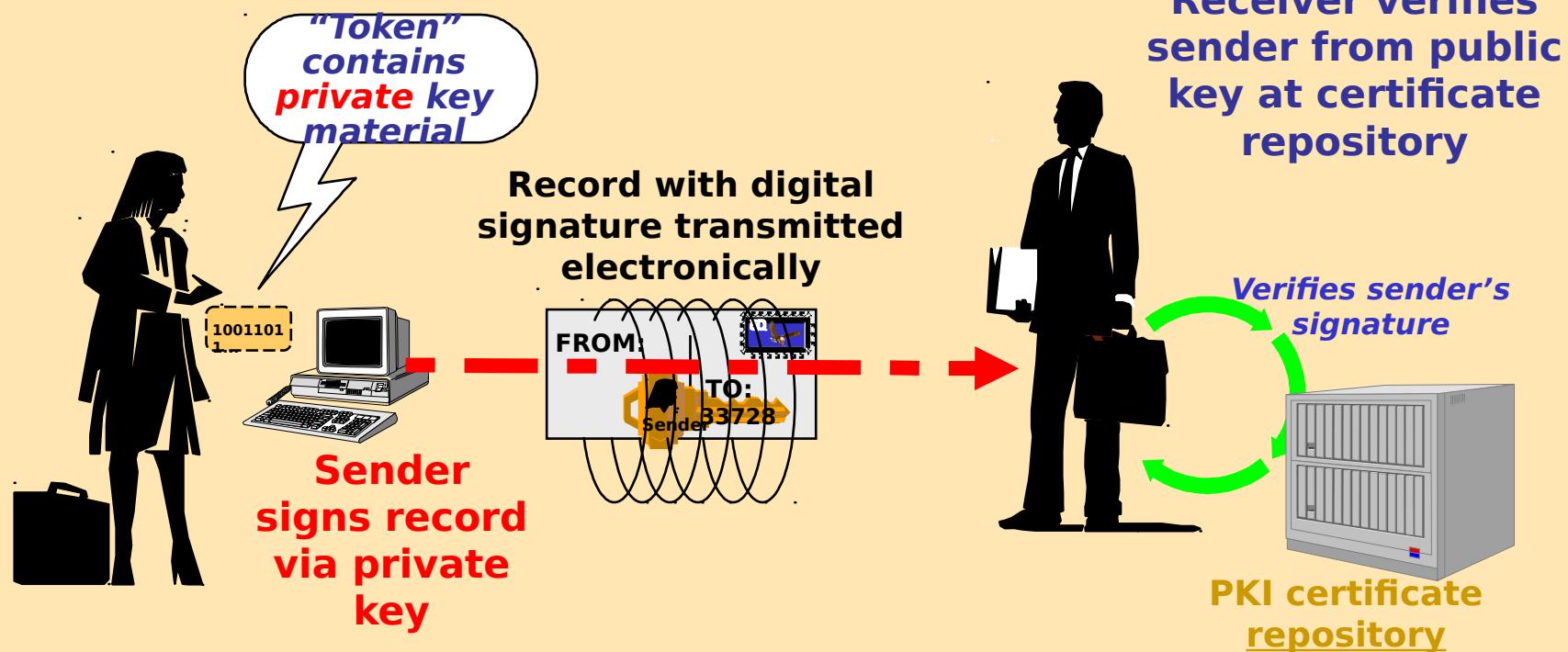
- ✓ *Kept in owner's possession*
- ✓ *Password protected*
- ✓ *Used to sign messages*
- ✓ *Distributed freely and openly as part of a certificate*
- ✓ *Used to verify signatures*



How PKI Functions



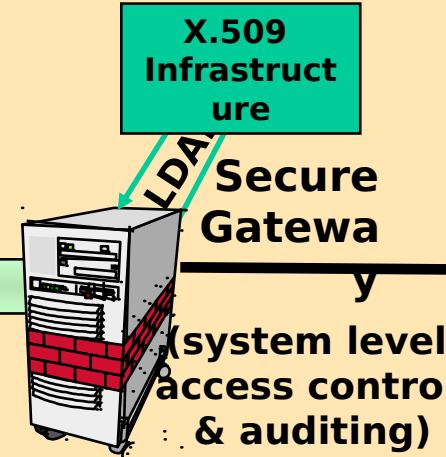
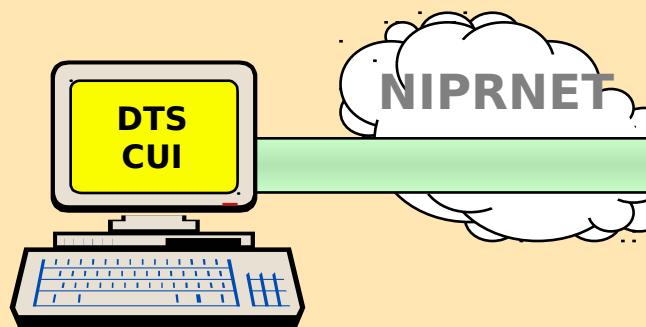
Digital Signature = Secure Transmission





PKI Based Identification & Authentication

Remote User



Secure
Gateway

(system level
access control
& auditing)



DTS RDC
Servers

(application level
access control
& auditing)

1. User requests access to DTS protected resources
2. Secure Gateway challenges the request
3. User provides digitally signed response
4. Secure Gateway authenticates user and verifies credentials through its interface to the PKI
5. Secure Gateway confirms session, exchanges secret session keys for the client-to-gateway VPN, and establishes connection to protected DTS resources through a single port, encrypted tunnel
6. Application-specific discretionary access controls and permissions mediate user access to data on the back-end data servers



Training For DTS



- ❖ **Joint training effort:**
 - ❖ **Government: policies/procedures**
 - **TRW: System training CUI***
 - **Services: Train-the-Trainer**
- ❖ **Centralized training locations**
 - **Comprehensive instruction materials**



* Common User Interface



Base Implementation Schedule



- [Add your proposed or approved implementation schedule, by squadron]
- [Include training session dates for travelers, AOs, DTAs if known]



Defense Travel System



Questions?

